

WHAT IS CLAIMED IS:

1. A coating for composition, preferably a solid or non-aqueous liquid composition which comprises a foam component, having a matrix comprising a polymeric material, and which is stable upon contact with air and unstable in water.
2. A coating for a solid and/ or non-aqueous liquid composition according to claim 1 for releasing said product or part thereof in water, the coating being partially or completely disintegrating, dispersing, denaturing and/ or in water.
3. A coating according to any preceding claim which has an elastic modulus of less than  $10 \text{ GN.m}^{-2}$ , preferably less than  $1 \text{ GN.m}^{-2}$ .
4. A coating according to any preceding claim which is obtainable by a process comprising the step of
- a) obtaining a polymeric material;
  - b) chemically or physically introducing gas in said polymeric material; optionally addition in step a) and/ or b) of an additional ingredient and/ or a solvent, preferably water, and optionally, step b) being followed by removal of the solvent or part thereof.
5. A flexible coating according to claim 1, 2 or 3, whereby the matrix is formed from the polymeric material or partially formed from the polymeric material and contains cells, the coating obtainable by a process comprising the steps of a)
- obtaining a mixture of the polymeric material and a liquid, preferably water;
  - b) evaporation of the liquid or part thereof to form spacings in the mixture which form the inner area of the cells of the matrix,
- step b) preferably conducted by submitting the mixture of a) to pressure, preferably conducted under increasing of the temperature, and subsequently reducing the pressure, thereby causing the liquid or part thereof to evaporate;

and/ or step b) preferably conducted by heating the mixture thereby causing the liquid or part thereof to evaporate.

- 5 6. A coating according to any preceding claim whereby the polymeric material comprises a water-soluble polymer and/ or a water-dispersible polymer.
7. A coating according to any preceding claim whereby the foam component has a relative density of 0.05 to 0.9, preferably 0.1 to 0.8.
- 10 8. A coating according to any preceding claim whereby the foam component comprises a mixture of the polymeric material and an additional ingredient, preferably the composition being a cleaning composition, fabric care composition, personal care composition, pharmaceutical composition or cosmetic composition and the additional ingredients being a cleaning product ingredient, fabric care ingredient, personal care ingredient, pharmaceutical ingredient or cosmetic ingredient.
- 15 9. A coating according to claim 8 whereby the additional ingredient is selected from, dyes, enzymes, perfumes, surfactants, brighteners, bleaches, bleach activators, fabric softeners, fabric conditioners, antibacterial agents, effervescent systems, and mixtures thereof.
- 20 10. A coating according to any preceding claim whereby the foam component comprises a stabiliser, acidic material and/ or plasticiser, the plasticiser preferably selected from glycerol, ethylene glycol, diethyleneglycol, propylene glycol, sorbitol.
- 25 11. A coating according to any preceding claim whereby the polymeric material comprises a water-soluble polymer selected from polyvinylalcohol, polysaccharides, polycarboxylic acids, cellulose, modified cellulose, gums, and derivatives of said polymers, and mixtures of any of said polymers.
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12. A composition, preferably a solid or non-aqueous liquid composition, enclosed by a coating of any of claims 1 to 11.

5 13. A solid composition partially enclosed by a coating of any of claims 1 to 11.

14. A pre-dosed amount of a solid composition which is enclosed, or partially enclosed by a coating of any of claims 1 to 11 or a non-aqueous liquid composition enclosed by a coating of any of claims 1 to 11, preferably enclosed by a coating being in the form of a pouch or a hollow three-dimensional coating.

15. A pre-dosed amount of a composition according to claim 14 which is in the form of a flowable composition, single granule or tablet.

15 16. A compositions according to any of claims 12 to 15, being a solid or non-aqueous liquid cleaning compositions, fabric conditioner, personal-care composition or pharmaceutical composition, preferably a solid composition.

17. An absorbent article comprising a composition of any of claims 12 to 16.

18. A process for making a coating according to any of claims 1 to 11 comprising the step of  
a) obtaining a polymeric material;  
b) chemically or physically introducing gas in said polymeric material;  
optionally addition in step a) and/ or b) of an additional ingredient and/or a solvent, preferably water, and optionally, step b) being followed by removal of the solvent or part thereof.

19. A process for making a flexible coating according to any of claims 1 to 11, whereby the matrix is formed from the polymeric material or partially formed

from the polymeric material and contains cells, the process comprising the steps of

- a) obtaining a mixture of the polymeric material and a liquid, preferably water;  
b) evaporation of the liquid or part thereof to form spacings in the mixture which  
5 form the inner area of the cells of the matrix,

step b) preferably conducted by submitting the mixture of a) to pressure,  
preferably conducted under increasing of the temperature, and subsequently  
reducing the pressure, thereby causing the liquid or part thereof to evaporate;  
and/or step b) preferably conducted by heating the mixture thereby causing the  
10 liquid or part thereof to evaporate.

20. A process for making a composition according to any of claims 12 to 16,  
comprising the step of

- a) formation of a coating according to the process of claim 17 or 18;  
15 b) enclosing or partially enclosing a solid composition with the coating  
enclosing a non-aqueous composition with the coating.

21. Use of a coating according to any of claims 1 to 11 to enclose or partially enclose  
a solid composition or to enclose a non-aqueous liquid composition, preferably to  
20 protect the composition during storage and/ or handling, preferably against forces  
or impacts, moisture, air, light, temperature changes or segregation of ingredients  
in the composition.

22. Use of a coating according to any of claims 1 to 11 to deliver a composition  
25 preferably a solid or non-aqueous composition to an aqueous environment,  
preferably the active ingredients being detergent active ingredients and the  
aqueous environment being the wash water.

23. Use of a coating according to any of claims 1 to 11 to deliver a pre-dosed amount  
30 of a composition, preferably a solid or non-aqueous composition, preferably a  
granule, tablet or free flowing product, to an aqueous environment.

24. Use of a coating according to any of claims 1 to 11 to control the rate and moment of release or dissolving or dispersing of a composition preferably the solid or non-aqueous liquid composition.

5 Add  
Claims  
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